

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau(43) International Publication Date
18 March 2004 (18.03.2004)

PCT

(10) International Publication Number
WO 2004/021851 A1(51) International Patent Classification⁷: A47L 13/142(21) International Application Number:
PCT/IT2003/000498

(22) International Filing Date: 4 August 2003 (04.08.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
FI2002A000162 3 September 2002 (03.09.2002) IT

(71) Applicant and

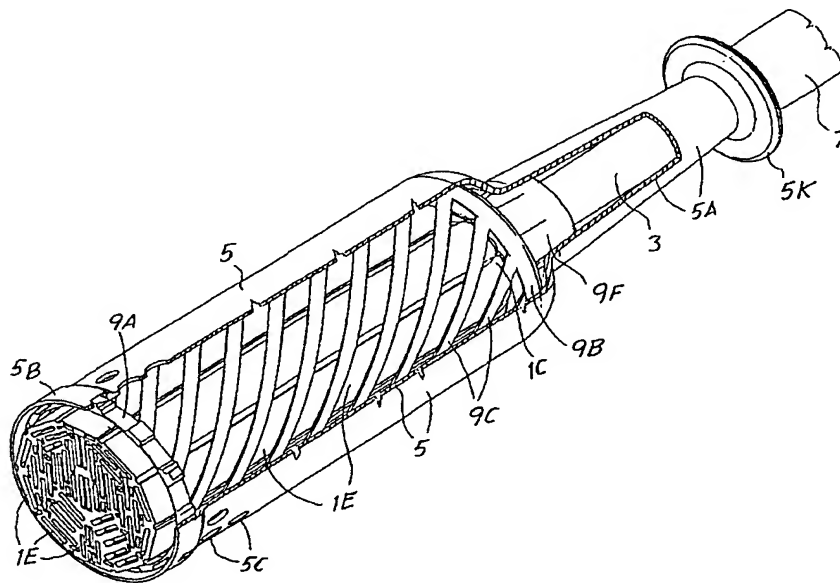
(72) Inventor: NICCOLAI, Celestino [IT/TT]; Via Giacomo
Matteotti, 94, I-51036 Larciano, (IT).(74) Agents: MANNUCCI, Michele et al.; Uff. Tecn. Ing. A.
Mannucci S.r.l., Via della Scala, 4, I-50123 Firenze (IT).(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DEVICE FOR WRINGING OUT THE MATERIAL OF DOMESTIC CLEANING TOOLS KNOWN AS MOPS



(57) Abstract: The device comprises: a sleeve (5) with slots or holes (5C), capable of accommodating the tool (1, 1A) that is to be wrung; the sleeve is extended in the form of a handgrip (7) which is axially perforated to allow the stick (3) to be accommodated inside it in a sliding manner; and a wringer element (9) in the form of flexible helical turns (9C) is engaged on the terminal edge (5B) of the sleeve (5) and at the other end forms an extension (9F) that can be fitted onto and coupled rotationally to the stick (3) of the tool. The tool is wrung out by torsion.